

EP1046944

Publication Title:

Self illuminating LCD device

Abstract:

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1344 A self-illuminating LCD display comprises LCD and LED structures in which a polarizer layer (1) or support (2) forms the sup for a transparent electrode layer of the LED structure. One of the polarizer layers or, when the polarizer layer is arranged bet a support and an electrode layer its support, forms the support for the third transparent electrode layer (9). Self-illuminating LCD display contains an LCD assembly, with a first polarizer layer (1), a first transparent support (2), first transparent electrode layer (3), a liquid crystal layer (4), a second transparent electrode layer (5), a second transparen support (6) and a second polarizer layer (7), and an LED assembly which illuminates the LCD assembly and which comprises a third transparent electrode layer (9), a layer (10) containing organic light-emitting material, a fourth electrode layer (11) and a support (12), further layers optionally being provided between the third and fourth electrode layers.

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